## 4 Multiplying and Dividing Decimals

October 9, 2019 3:10 PM

Math 9 Name: \_\_\_\_\_

Ch 3 Day 4: Multiplying and Dividing Positive and Negative Decimal Numbers Page 1 of 4

# Multiplying and Dividing Positive and Negative Decimal Numbers (3.4 and 3.5) First, some humour...



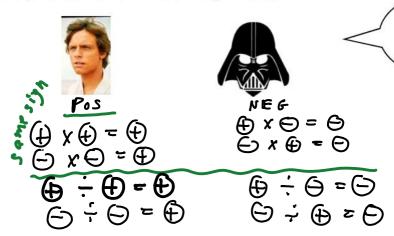
"AREN'T THERE ENOUGH PROBLEMS IN THE WORLD ALREADY?"

ALWAYS
WEAR
GLASSES TO
MATH CLASS
THEY HELP
DIVISION





#### **Multiplication and Division Sign Rules**

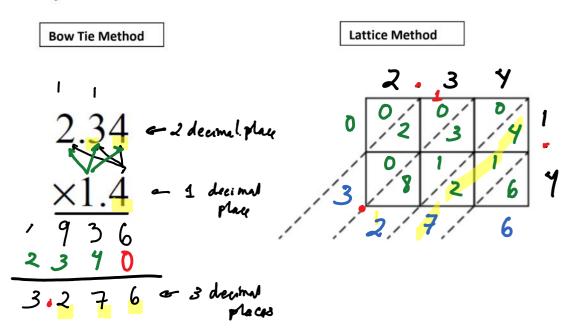


**Example 1**: Write the sign for each of the following:

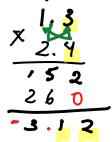
It works the same for multiplication and division!

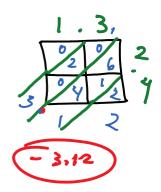
### **Multiplying Decimal Numbers**

#### Example 2:



**Example 3:** (1.3) (-2.4)





**Example 4:** (-0.03)(-0.002)

**Example 5:** Bob dives at a rate of 11.4 m/second. If he dives for 3.2 seconds, how far will he dive?



He will dive 36. 48 m in 32 sec.

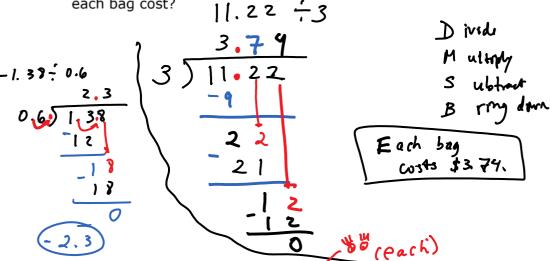
Coca Cola

**Example 6:** You have 35 shares in Coca Cola stock. The price of 1 share changed by \$-1.64. How much money did you lose? **3** 2



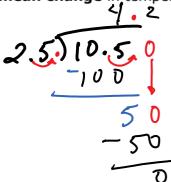
#### **Dividing Decimal Numbers**

**Example 7:** You spent \$11.22 on 3 bags of chips. How much does each bag cost?



Note: If there is a change per hour, minutes e cond, it usually means you need to divide!

**Example 8:** The temperature decreased by  $10.5^{\circ}$ C in 2.5 hours. What is the **mean change** in temperature per hour?



The mean change in To is 4.2°C



#### Assignment:

Multiplication Sheet.

Sec. 3.4 (Multiplication) p. 127 27 9ac, 10 14, 15a, 16ac

Sec. 3.5 (Division)p. 134 3ade, 7odd 6, 8, 11a, 15 17ac, 18, 19